

Contents of Volume 27 (1995)

VOL. 27 NO. 1

APRIL 1995

Spatial variability of total porosity, air entry potential and saturation water content in a cultivated inceptisol. I. Semivariance analysis D.K. Patgiri and T.C. Baruah (Assam, India)	1
Spatial variability of total porosity, air entry potential and saturation water content in a cultivated inceptisol. II. Estimation through kriging D.K. Patgiri and T.C. Baruah (Jorhat Assam, India)	11
Soil water dynamics under cereal and forage legume mixtures on drained vertisols in the Ethiopian highlands A. Astatke, M.A. Mohamed Saleem and A. El Wakeel (Addis Ababa, Ethiopia)	17
Water movement and salt leaching in drained and irrigated marsh soils of southwest Spain. F. Moreno, F. Cabrera, L. Andreu, R. Vaz, J. Martin-Aranda (Seville, Spain) and G. Vachaud (Grenoble, France)	25
Irrigation and nitrogen requirements of Bergamot mint on a sandy loam soil under sub-tropical conditions M.D. Ram and S. Singh (Lucknow, India)	45
Remote sensing of crop coefficients for improving the irrigation scheduling of corn W.C. Bausch (Ft. Collins, CO, USA)	55
Using the EM38 to measure the effect of soil salinity on <i>Eucalyptus globulus</i> in south-western Australia D.L. Bennett and R.J. George (Bunbury, W.A., Australia)	69
Guide for Authors	87

VOL. 27 NO. 2

JUNE 1995

Some aspects of irrigation system management in India J.G. Pike (Woodbridge, UK)	95
Two-dimensional infiltration under furrow irrigation: modelling, its validation and applications M.A. Tabuada, Z.J.C. Rego (Lisbon, Portugal), G. Vachaud (Grenoble, France) and L.S. Pereira (Lisbon, Portugal)	105
Evaluation of water management strategies for acid sulphate soils using a simulation model: A case study in Indonesia J.J.B. Bronswijk, J.E. Groenenberg, C.J. Ritsema, A.L.M. Van Wijk (Wageningen, Netherlands) and K. Nugroho (Bogor, Indonesia)	125
Effect of irrigation and nitrogen on water use efficiency of wheat in Saudi Arabia G. Hussain and A.A. Al-Jaloud (Riyadh, Saudi Arabia)	143

An alternative plastic mulching system for improved water management in dryland maize production P.D. Fisher (College Station, TX, USA)	155
Evaluation of sieve and permeameter analyses methods for subsurface drain envelope laboratory research in Pakistan M.N. Asghar (Faisalabad, Pakistan) and W.F. Vlotman (Lahore, Pakistan)	167

VOL. 27 NOS. 3-4

JULY 1995

Research article

Factors influencing dissolved nitrogen concentrations and loadings in upland streams of the UK B. Reynolds (Bangor, UK) and A. Edwards (Aberdeen, UK)	181
CROSOWAT: A decision tool for irrigation schedule M.B. Joshi (Gandhinagar, India), J.S.R. Murthy (Bombay, India) and M.M. Shah (Gandhinagar, India)	203
The impact of sparse millet crops on evaporation from soil in semi-arid Niger C.C. Daamen, L.P. Simmonds (Reading, UK) and M.V.K. Sivakumar (Niamey, Niger)	225
Modelling the effects of sprinkler irrigation uniformity on crop yield E.C. Mantovani, F.J. Villalobos, F. Orgaz and E. Fereres (Córdoba, Spain)	243
Drain pipe performance determined using a non-Darcy finite element model T.S. Zissis and T.D. Papadakis (Thessaloniki, Greece)	259
Sensitivity of predicted irrigation-delivery performance to hydraulic and hydrologic uncertainty T.K. Gates and S.I. Ahmed (Fort Collins, CO, USA)	267
Surge irrigation with residues to reduce soil erosion R.G. Evans, B.N. Girgin, J.F. Chenoweth and M.W. Kroeger (Prosser, WA, USA)	283
Simulation of evapotranspiration from groundnut under wet and dry conditions S. Sarkar (Varanasi, India) and S. Kar (Kharagpur, India)	299
Evaluation of sugarcane evapotranspiration from water table data in the everglades agricultural area M. Omary and F.T. Izuno (Belle Glade, FL, USA)	309
Leaching of salt from a heavy clay subsoil under simulated rainfall conditions T.W. Tanton, D.W. Rycroft and M. Hashimi (Southampton, UK)	321
Evapotranspiration and crop coefficient of sweet lime under drip irrigation A.R. Sepaskhah and S.M. Kashefipour (Shiraz, Iran)	331
Comparison between simulated and measured profile water distribution S. Sarkar (Varanasi, India) and S. Kar (Kharagpur, India)	341
Laboratory evaluation of locally made synthetic envelopes for subsurface drainage in Egypt H. El-Sadany Salem (Cairo, Egypt), W. Dierckx (Merelbeke, Belgium), L.S. Willardson (Logan, UT, USA) and M.S. Abdel-Dayem (Cairo, Egypt)	351
Statistical procedures for the evaluation of evapotranspiration computing models C.P. Jacovides and H. Kontoyiannis (Athens, Greece)	365
Letter to the Editor	
Comments on "The relation between soil infiltration and effective porosity in different soils" V. Rasiah (Guelph, Ont., Canada)	373

